Home Theater Package with 6 Speakers and DVD Video Player

DENON DHT-683DVD

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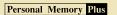












AV RECEIVER: AVR-683

■ Fully Discrete, Equal Power Five Amplifier Channels, 100 Watts Each

Front 110 W + 110 W (6 ohms, 1 kHz, 0.7 %) Center 110 W (6 ohms, 1 kHz, 0.7 %) 110 W + 110 W (6 ohms, 1 kHz, 0.7 %) Surround

For optimum Dolby Digital and DTS reproduction, the AVR-683 features high quality, wideband audio amplification, providing 110 watts power output for each of the five main channels. A large capacity power supply includes a high current power transformer along with discrete power output devices on all five amplifier channels for highest dynamic range and superb reproduction clarity.

■ Dolby Pro Logic II Decoder

Enjoy 2-channel stereo recordings in stunning 5.1-channel surround playback. The Dolby Pro Logic II decoder reproduces dynamic 5.1-channel surround sound not only from normal 5.1-channel DVD but from 2-channel sources such as videos and CDs, too. Dolby Pro Logic II uses matrix decoding technology that has been dramatically improved over Pro Logic. With Pro Logic II, for instance, the Surround (Rear) channels are in stereo (only mono with Pro Logic) and playback covers the full frequency range (only up to 7 kHz with Pro Logic). These improvements let you enjoy a wide variety of 2-channel sources with the exciting effects of 5.1-channel surround sound.

■ Dolby Digital and DTS Decoders

Equipped with both Dolby Digital and DTS 5.1 channel decoding, the AVR-683 provides thrilling surround sound with the thousands of Dolby Digital and DTS encoded DVDs, as well as the growing library of DTS 5.1 channel music recordings available on CD.

■ Cinema Equalizer

The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasizes high-frequency range due to a theater's front speakers being placed behind the movie screen. If this sound is reproduced in the home theater without correction, the high-frequency range is too strong. The AVR-683 features a Cinema Equalizer to correct these high-frequency components so that the sound is clearer and easier to listen to. (For Dolby Digital, Dolby Pro Logic II, and DTS surround modes)

■ 5 Channel Stereo Mode

DENON's popular 5 Channel Stereo mode transforms your favorite 2-channel sources such as CD, tape, stereo radio and stereo video sources into exciting surround sound, free of delay effects and unnatural artifacts, from all five speakers. This 5 Channel Stereo mode was originally developed by DENON to enhance music lovers' enjoyment of home theater ambience.

■ Virtual Surround Mode

■ DENON DSP Surround Modes Add Listening Excitement

Put yourself in the middle of your favorite concert hall and music environments with DENON's DSP acoustic environment simulation modes. These DSP modes add spacious surround sound enhancements to your favorite music and video sources, and include these distinctly different sounding effects:

1. 5 Channel Stereo 5. Video Game 2. Virtual Surround 6. Matrix 3. Rock Arena 7. Mono Movie

4. Jazz Club

■ Versatile Input & Output Terminals

- Digital Optical Output
- · Front Panel Inputs

· Audio Inputs

8 Sets Analog Inputs	CD, TUNER, DVD/VDP, TV/DBS, AUX,
	VCR, CDR/TAPE, V.AUX(FRONT)
6 Analog EXT. Input	FRONT L/R, CENTER,
	SURROUND L/R, SUBWOOFER
3 Sets Digital (Optical) Input	OPTICAL X 3 (FRONT: 1)
1 Set Digital (Coaxial) Input	COAXIAL X 1

· Audio Outputs

1 Set Analog PRE OUT Terminals SUBWOOFER 2 Sets Analog REC OUT Terminals VCR, CDR/TAPE 1 Set Digital (Optical) Output...... OPTICAL X 1

· Video Inputs

Video Outpute	, -	
2 Sets Component Inputs	DVD/VDP. TV/DBS	
3 S-Video Inputs	DVD/VDP, TV/DBS, VCR	
4 Composite Inputs	DVD/VDP, TV/DBS, VCR, V.AUX(FRONT)	1

'iaeo Outputs

2 Composite Outputs	VCR, MONITOR
2 S-Video Outputs	VCR, MONITOR
1 Set Component Output	. MONITOR

■ Front A/B Speaker Terminals

- High-grade Speaker Terminals (for speakers A):
- Personal Memory Plus, for Easy Operation
- Multi-Function Preset Memory Remote Controller
- Acclaimed Customization Feature
- Frequency Synthesis Tuning
- · 40-Station AM/FM Random Preset Memory Tuning
- Auto Preset Memory

DVD VIDEO PLAYER: DVD-900

- 24-bit, 192-kHz High Resolution Audio D/A Converters
- Progressive Scan
- Highest resolution 10-bit, 54-MHz Video D/A Conversion System
- 2 MB Buffer Memory
- Picture Zooming (x2 or x4)

During play, when you press the Zoom button on the remote control, you can enlarge the picture by 2x or 4x. Use the cursor to move the enlarged viewing area up, down, to the left, or to the right.

■ Color Component Video Output

- Aspect Ratio Function for Correct Image Displays
- Wide Selection of Playback Options
- 1) Program Play, 2) Repeat Play, 3) Random Play

■ Brilliant Black

- CD-R/RW (audio/MP3) Playback (*1)
- 24/96 PCM Digital Output Capability
- PCM, Dolby Digital and DTS Digital Output
- On-screen Display
- High-class Aluminum Front Panel
- SRS True Surround
- Auto Power OFF

Specifications

■ DVD Video Player Section

Signal system NTSC

■ Video Section

Disc played	DVD Video, Music CD, CD-R/RW (audio/MP3
Video outputs	1 set of Composite Video Output: 1.0 Vp-p
	(with 75 ohms load)
	1 set of S-Video Output: Y; 1.0 Vp-p
	(with 75 ohms load), C; 0.286 Vp-p
	1 set of Component Video Output:

Y, CB/PB, CR/PR:

Y; 1.0 Vp-p (with 75 ohms load), CB/PB; 0.7 Vp-p (with 75 ohms load), CR/PR; 0.7 Vp-p (with 75 ohms load)

■ Audio Section

Audio outputs Analog Ouput (L/R): 2.0 Vrms Optical Digital Output

Coaxial Digital Output

Frequency response..... 20 Hz - 20 kHz Signal-to-noise ratio 110 dB Dynamic range 94 dB Total harmonic distortion 0.005%

■ General

Power supply AC 120 V, 60 Hz

Dimensions 435 (W) x 75 (H) x 211 (D) mm 17.1" (W) x 3.0" (H) x 8.3" (D)

Weight 2.2 kg, 4.8 lbs

■ Power Amplifier Section

Rated output	*THD figures a	re power amp stage values.
Front	. 110 W + 110 W	(6 ohms, 1 kHz, 0.7 %)
	80 W + 80 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Center	. 110 W	(6 ohms, 1 kHz, 0.7 %)
	80 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround	. 110 W + 110 W	(6 ohms, 1 kHz, 0.7 %)
	80 W + 80 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)

■ Preamplifier Section

Input sensitivity/Impedance CD, DVD/VDP, TV/DBS, VCR, CDR/TAPE, V.AUX(FRONT)..... 200 mV/47 kohms

Output level/Load impedance

SUBWOOFER...... 1.2 V/10 kohms CDR/TAPE, VCR...... 200 mV/47 kohms

Frequency response 10 Hz - 100 kHz (+1, -3 dB) (Tone Defeat On) Signal-to noise ratio........... 98 dB (A-weighting) (Tone Defeat On)

Tone control...... Treble: ±10 dB at 10 kHz Bass: ±10 dB at 100 Hz

■ FM Section

Tuning frequency range..... 87.5 - 107.9 MHz Usable sensitivity...... 1.0 μ V (11.2 dBf)

■ AM Section Tuning frequency range..... 520 - 1710 kHz

■ General

Power supply AC 120 V, 60 Hz

Power consumption 3.7 A

Dimensions 434 (W) x 147 (H) x 417 (D) mm 17.1" (W) x 5.8" (H) x 16.4" (D)

Weight 10.4 kg, 22.9 lbs

■ Speaker section

SC-53S (Satellite speaker system)

Type	2-way Acoustic Suspension
Magnetic shielding	Yes
Imepedance	6 ohms
Dimensions	110 (W) x 175 (H) x 130 (D) mm (+9 mm grill)
	4.3" (W) x 6.9" (H) x 5.1" (D)
Weight	1.7 kg, 3.74 lbs

SC-53C (Center speaker system)

Type	2-way Acoustic Suspension
Magnetic shielding	Yes
Imepedance	6 ohms
Dimensions	275 (W) x 110 (H) x 130 (D

)) mm (+9 mm grill) 10.8" (W) x 4.3" (H) x 5.1" (D)

Weight 2.8 kg, 6.16 lbs

DSW-37 (Subwoofer system with built-in Amplifier)

Imepedance...... 4 ohms

Power supply AC 120 V, 60 Hz, 60 W Dimensions 216 (W) x 300 (H) x 400 (D) mm 8.5" (W) x 11.8" (H) x 15.7" (D)

Weight 5.5 kg, 12.1 lbs





Front panel with terminal cover.

^{*}Design and specifications are subject to change without notice.
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*DTS is registered trademarks of DTS Technology.